

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P297647

Luminaire Tested: **D3X-WD-23L92765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297647  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-23L92765-LD5-UNV-14-T1-W2A-4000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1985.0 lumens  
Efficiency: N/A  
Efficacy: 95.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

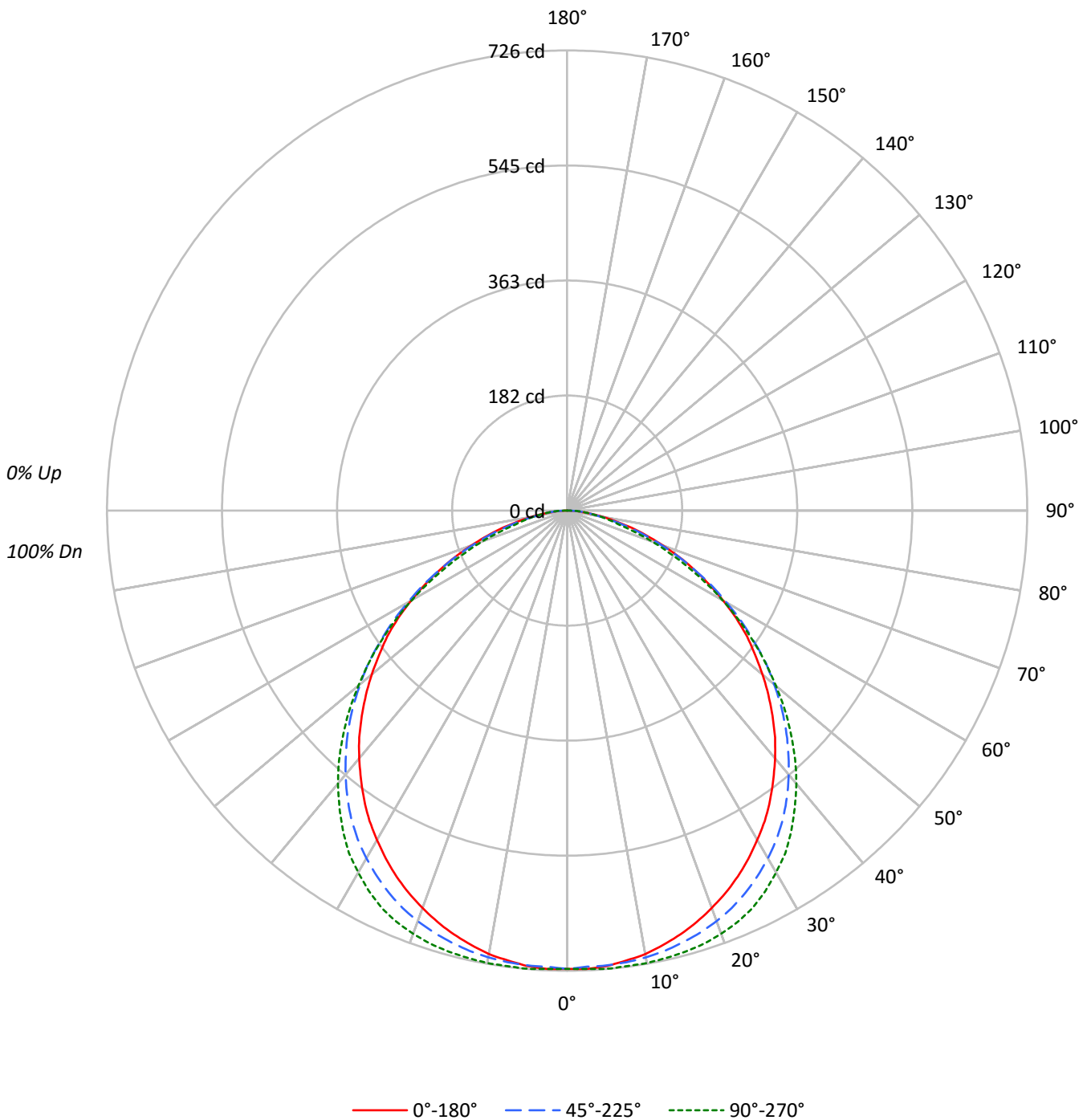
Input Watts (W): 20.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1946	1946	1946
5°	1948	1946	1960
10°	1942	1956	1981
15°	1928	1965	2007
20°	1911	1974	2035
25°	1892	1976	2055
30°	1864	1968	2048
35°	1834	1950	2026
40°	1793	1911	1977
45°	1743	1858	1902
50°	1684	1784	1799
55°	1626	1688	1680
60°	1531	1564	1526
65°	1410	1416	1337
70°	1262	1234	1123
75°	1096	1023	866
80°	879	797	797
85°	630	738	766



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.8	3.5
10°-20°	199.6	10.1
20°-30°	306.5	15.4
30°-40°	369.1	18.6
40°-50°	373.0	18.8
50°-60°	318.1	16.0
60°-70°	217.8	11.0
70°-80°	105.1	5.3
80°-90°	27.1	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	574.8	29.0
0°-40°	943.9	47.6
0°-60°	1635.0	82.4
0°-90°	1985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1985.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	723	723	723	723	723	
5°	721	721	720	725	726	68
15°	692	697	705	718	720	195
25°	637	647	665	685	692	293
35°	558	571	594	612	617	349
45°	458	470	488	500	500	353
55°	346	353	360	362	358	309
65°	222	224	222	214	210	220
75°	105	105	98	87	83	112
85°	20	22	24	25	25	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	723.0	723.0	723.0	723.0	723.0
2.5°	723.9	723.0	720.4	723.9	723.9
5°	721.3	721.3	720.4	724.8	725.7
7.5°	715.9	717.7	718.6	723.9	724.8
10°	710.6	712.4	715.9	723.0	724.8
12.5°	701.8	705.3	711.5	721.3	723.0
15°	692.0	697.3	705.3	717.7	720.4
17.5°	680.5	687.6	698.2	712.4	716.8
20°	667.2	675.2	689.4	705.3	710.6
22.5°	653.0	661.9	678.7	697.3	702.6
25°	637.1	646.8	665.4	684.9	692.0
27.5°	619.4	630.0	650.4	670.8	677.0
30°	599.9	611.4	633.5	653.9	659.2
32.5°	580.4	591.9	614.9	634.4	640.6
35°	558.2	570.6	593.7	612.3	616.7
37.5°	534.3	546.7	569.7	588.3	590.1
40°	510.4	522.8	544.0	560.9	562.7
42.5°	485.6	497.1	516.6	530.8	532.5
45°	458.1	470.5	488.2	499.7	499.7
47.5°	430.6	443.0	458.1	466.1	466.1
50°	402.3	413.8	426.2	430.6	429.7
52.5°	373.9	384.6	395.2	396.1	394.3
55°	346.5	352.7	359.7	361.5	358.0
57.5°	316.3	321.6	326.1	323.4	320.8
60°	284.4	289.7	290.6	286.2	283.5
62.5°	253.4	257.8	257.8	250.8	246.3
65°	221.5	224.2	222.4	214.4	210.0
67.5°	191.4	193.2	189.6	181.6	174.6
70°	160.4	161.3	156.8	147.1	142.7
72.5°	132.0	132.9	127.6	116.1	110.8
75°	105.4	105.4	98.4	86.8	83.3
77.5°	78.9	81.5	73.5	67.3	67.3
80°	56.7	59.4	51.4	52.3	51.4
82.5°	37.2	39.9	37.2	37.2	37.2
85°	20.4	22.2	23.9	24.8	24.8
87.5°	6.2	10.6	11.5	12.4	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)